

Salmon Abundance: Alaska to California

Abundance trends

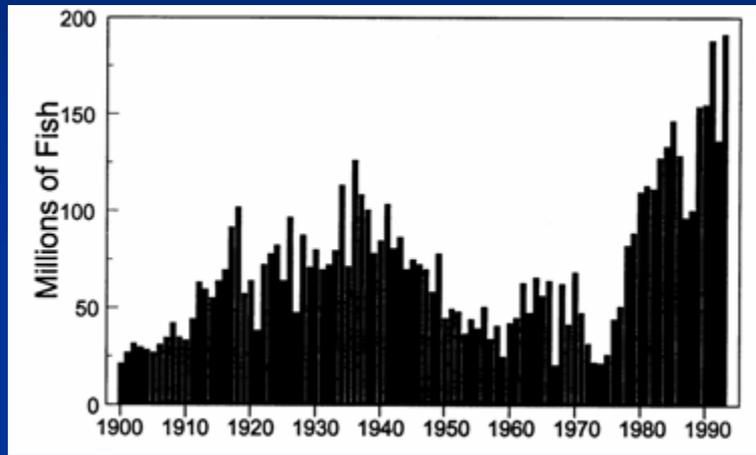
- Alaska
- British Columbia
- Oregon
- California

Recent vs. historical



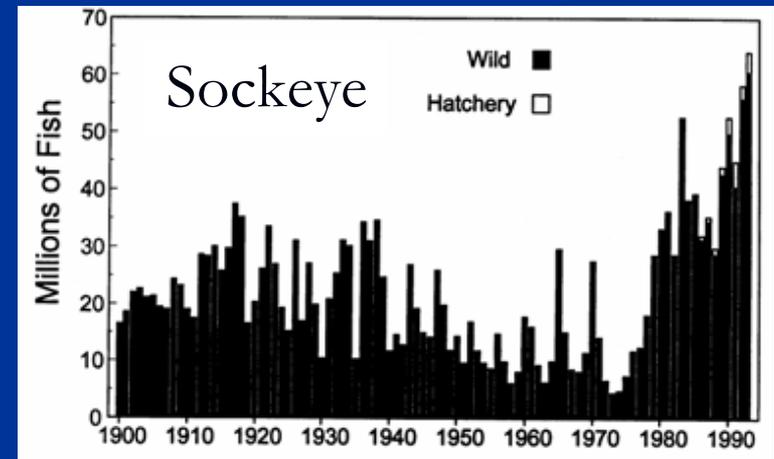
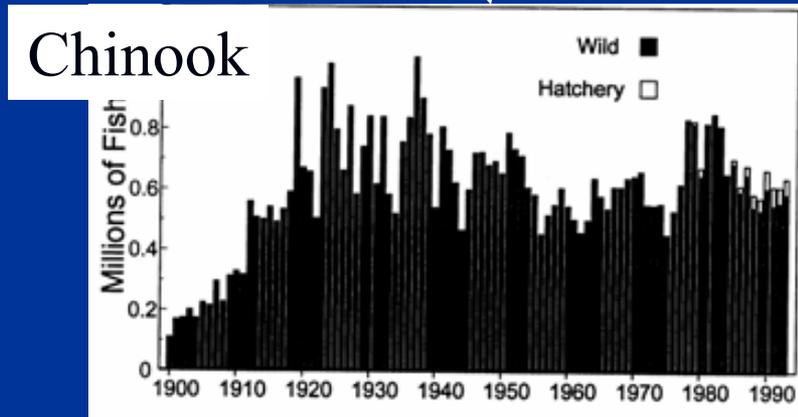
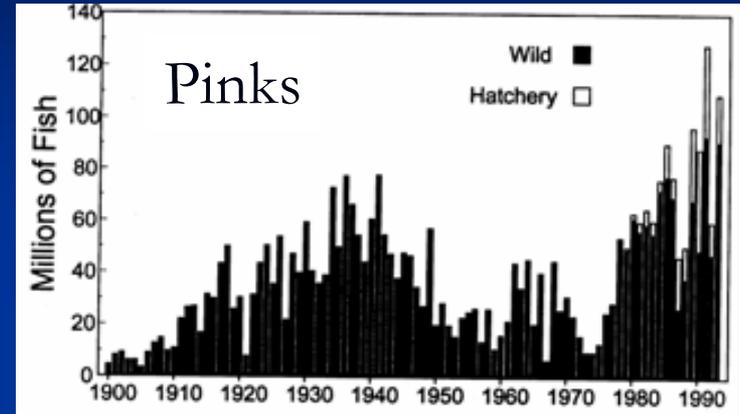
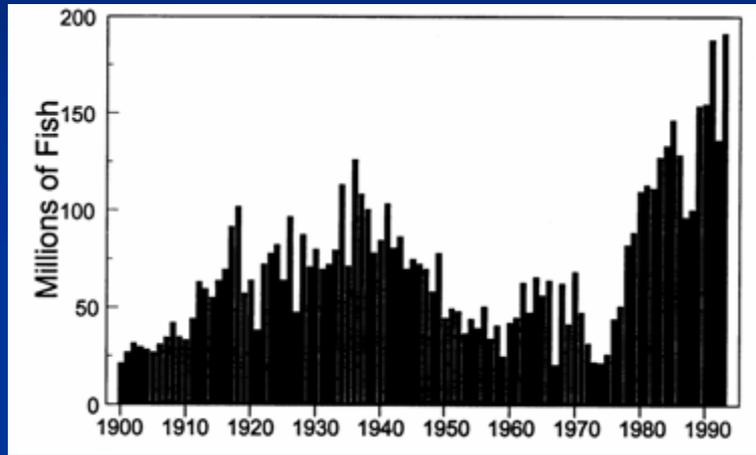
Alaska Catch, 1900-1995

All salmon combined



Alaska Catch, 1900-1995

All salmon combined

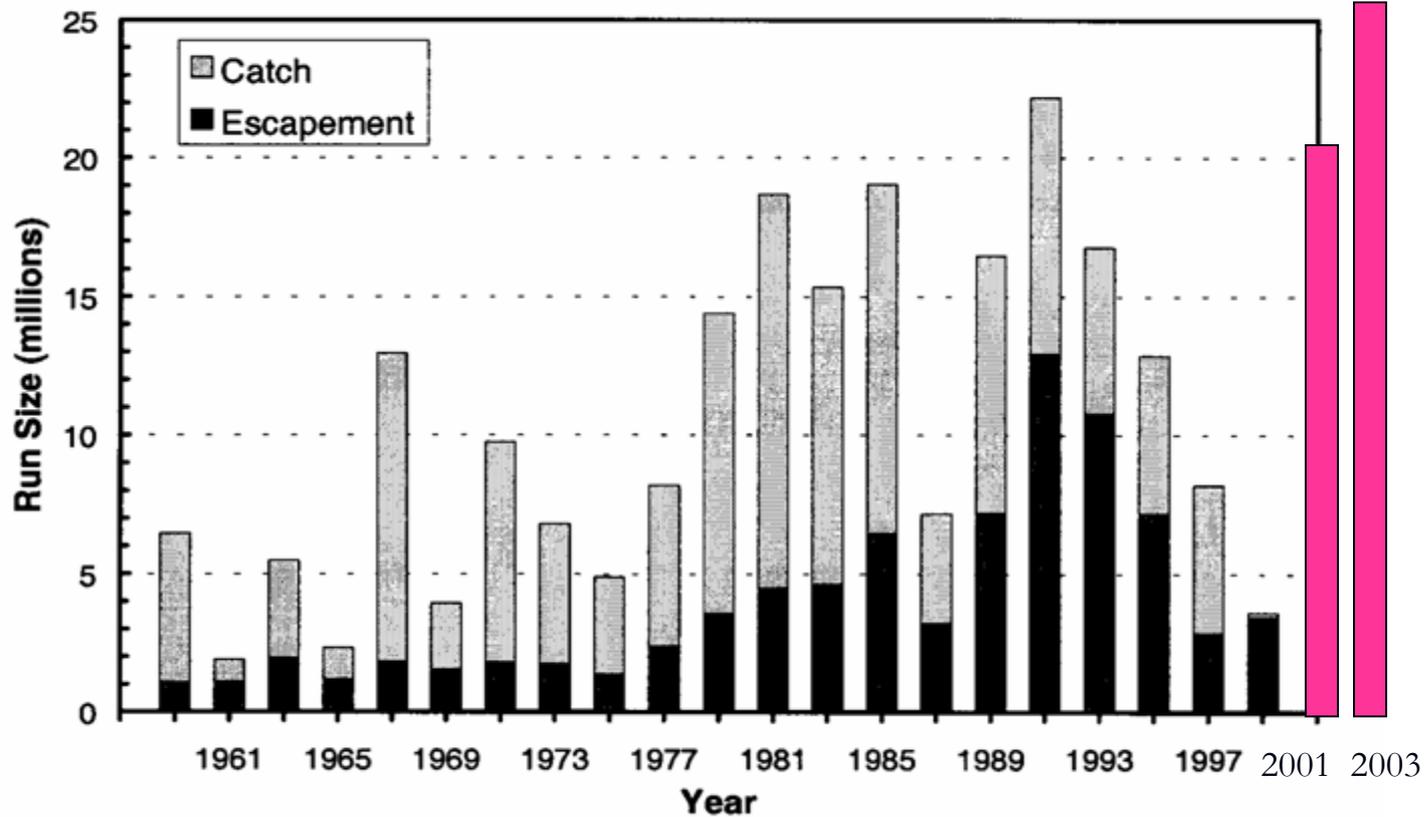


Wertheimer 1997

All Alaska vs. SE trends, 1878-2002

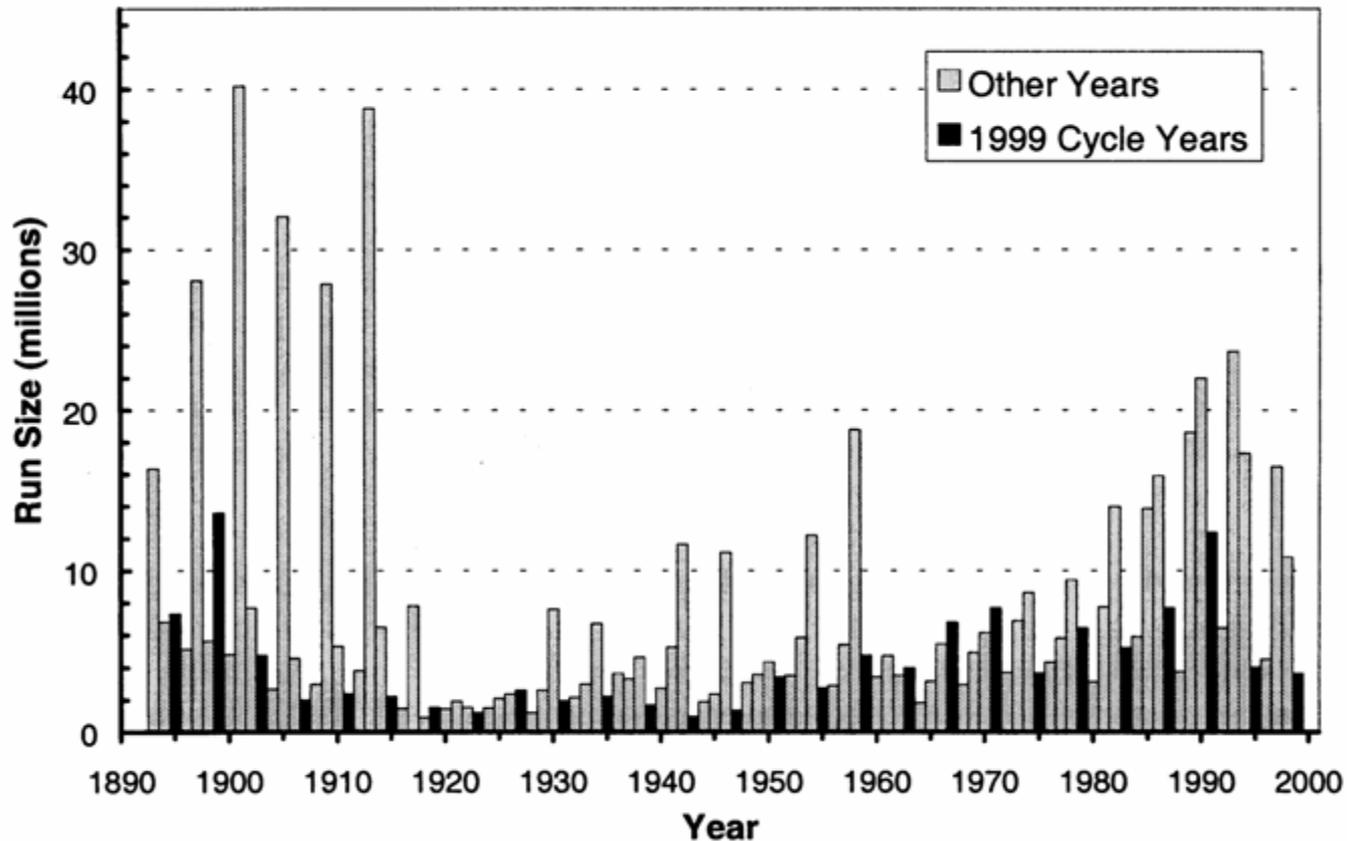


Fraser River odd-year pink salmon 1959-2003



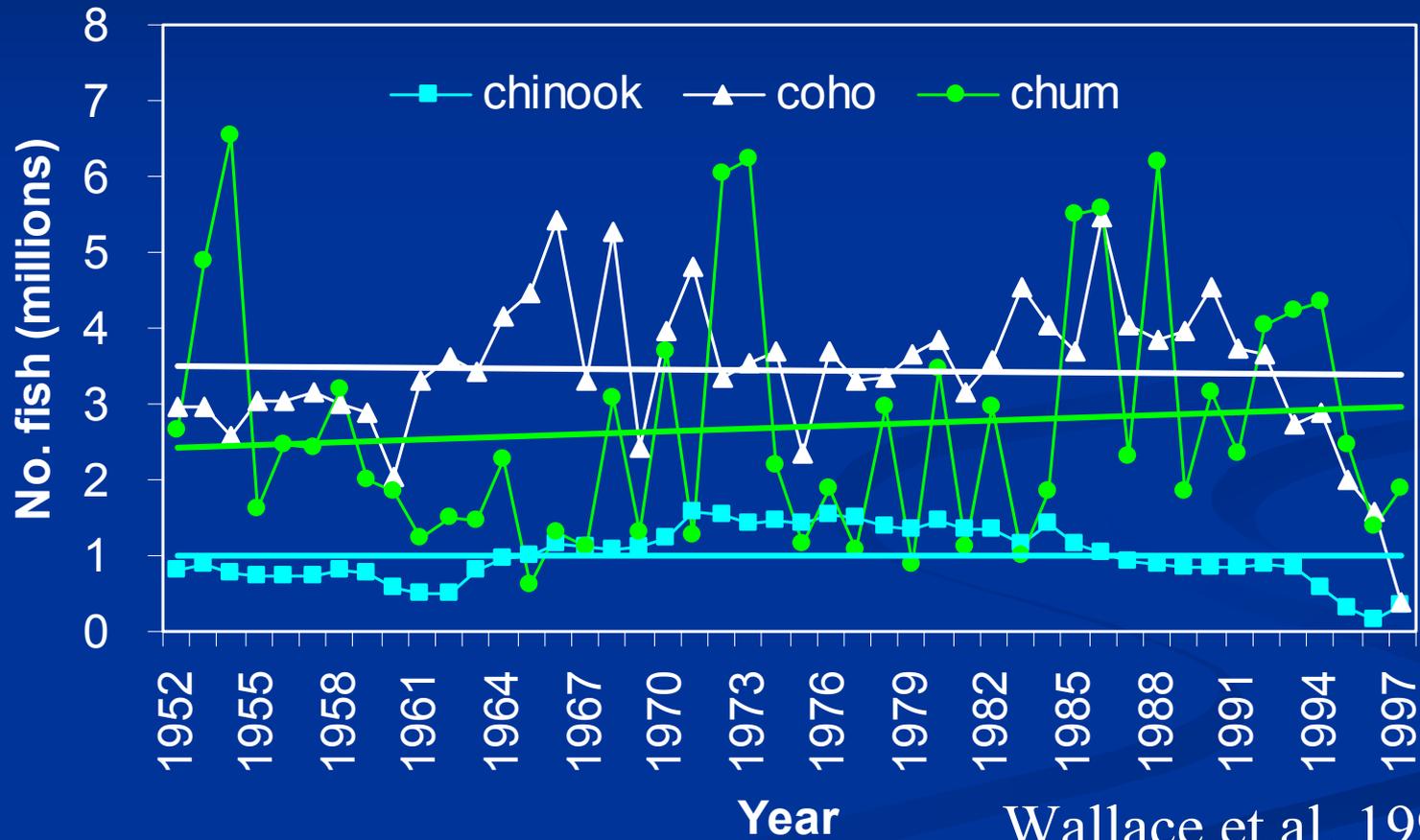
PSC 2001, PFMC 2004

Fraser River Sockeye Run size, 1890-1999



British Columbia Catch

Chinook, coho, chum, 1952-1998



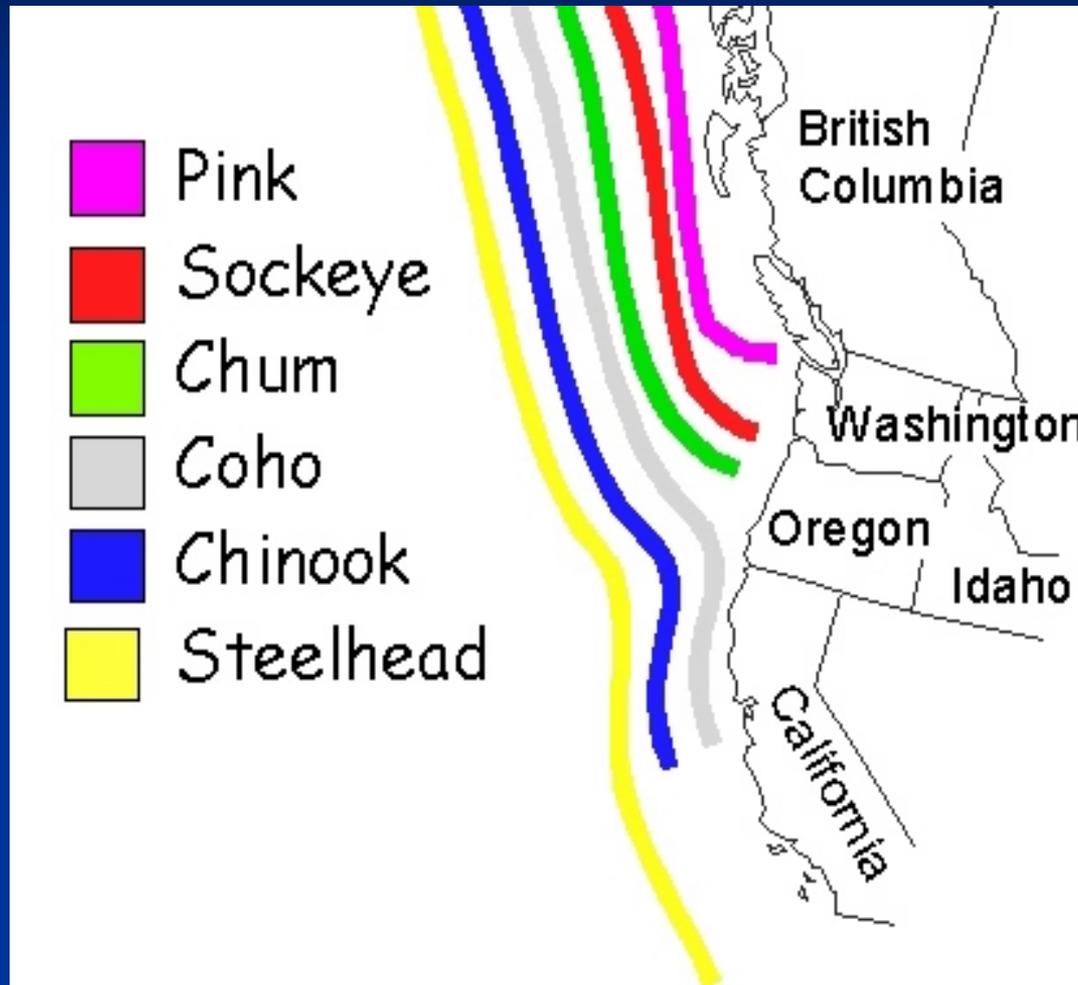
Wallace et al. 1998

Fraser River historic vs. recent total run size (millions)

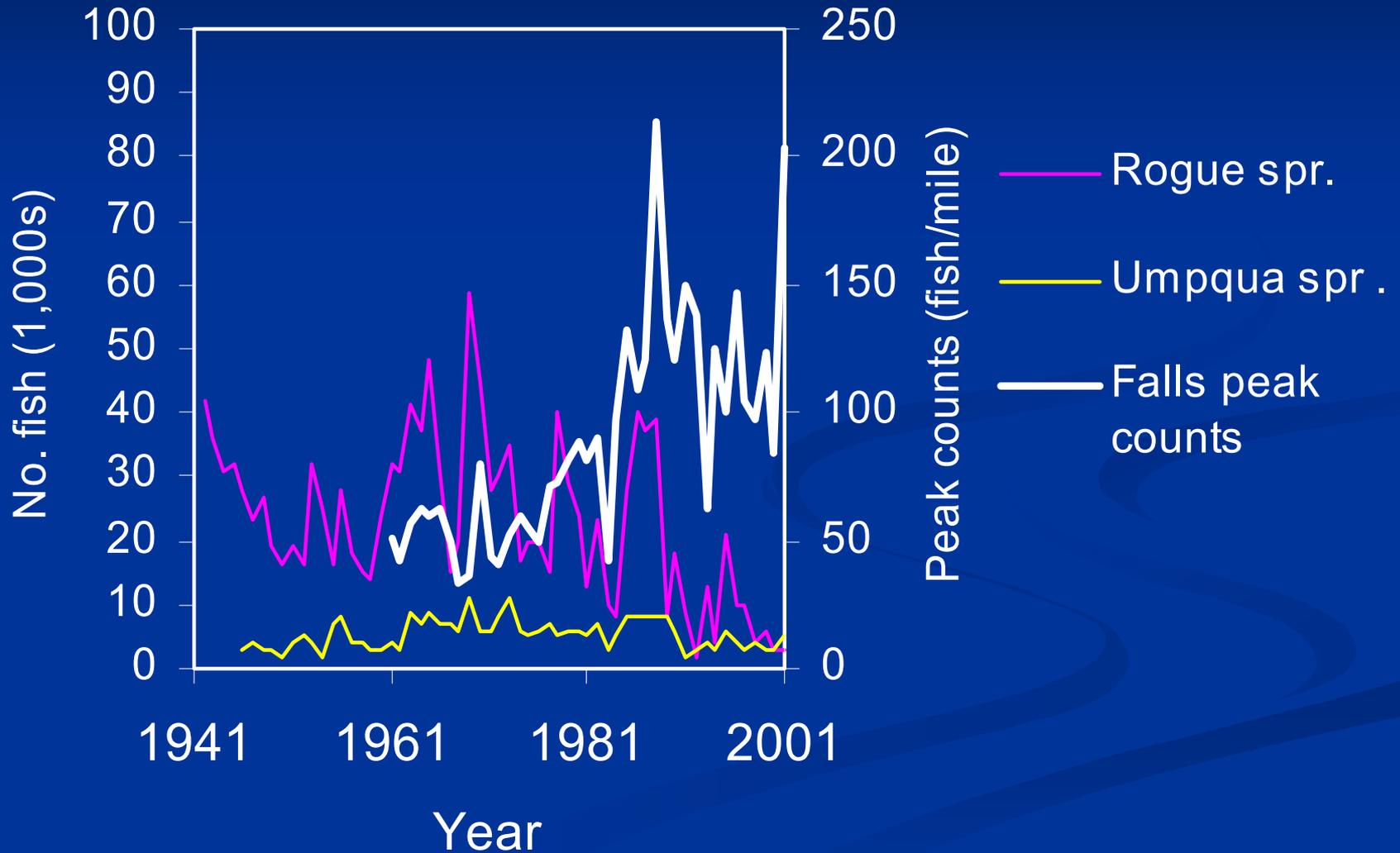
<u>Species</u>	<u>Historical</u> <u>(1890-1910)</u>	<u>Recent</u> <u>(1950-80s)</u>	<u>Decrease</u>
Pink	23.8	4.3	5.5x
Chum	0.8	0.4	2.0x
Coho	1.2	0.2	7.7x
Chinook	0.7	0.2	5.0x
Sockeye	34.2	6.7	5.1x

Northcote and Atagi 1997

Pacific salmon ranges



Oregon Coast chinook



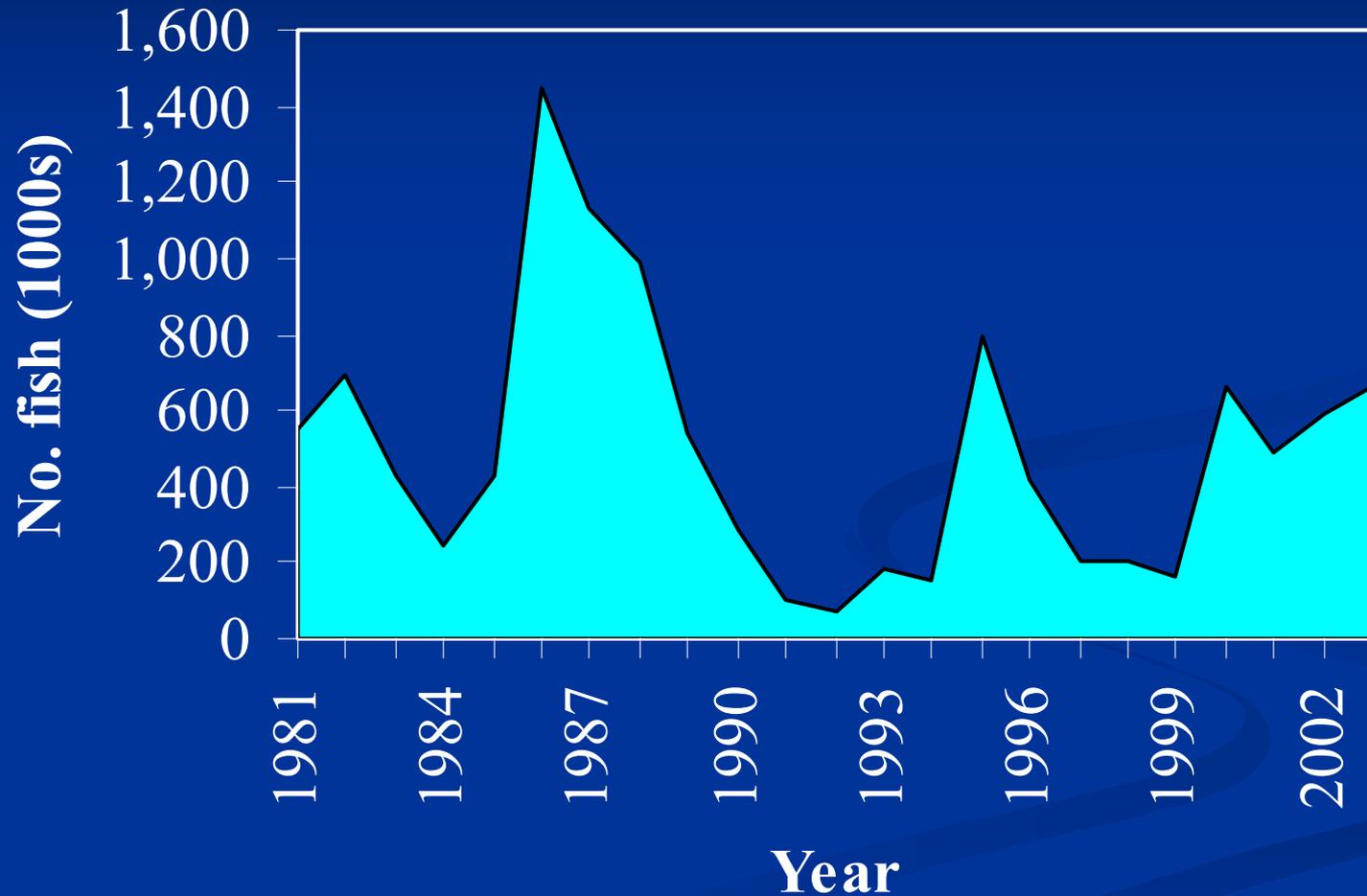
Oregon Coast

historical vs. recent abundance

<u>Species</u>	Historic <u>(1910)</u>	Recent <u>(1980s)</u>
Chinook	305,000	483,000
Coho	1,385,000	767,000

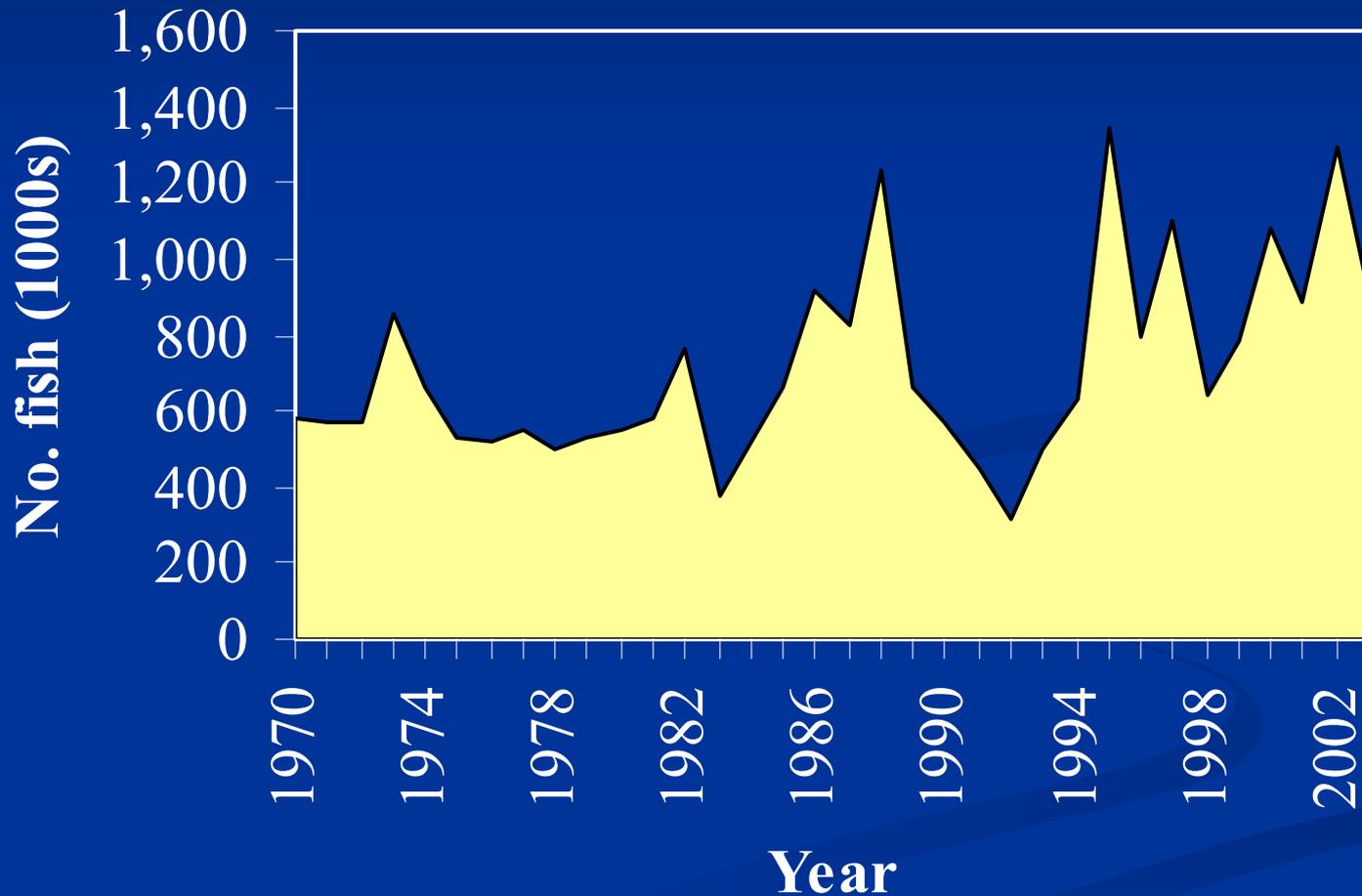
(Lichatowich 1989)

Klamath river fall chinook Ocean abundance, 1981-2003



Sacramento fall chinook

Total run size, 1970-2003



California

Historic. (1910s) chinook abundances

Central Valley: 600,000

N. CA/S. OR: 300,000

Upper Klamath/Trinity: 130,000